

Converting Colors

XYZ(49.4274, 48.7892, 21.2984)

Have a look what the booklet for
XYZ(49.4274, 48.7892, 21.2984)
contains.

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Color

**XYZ(49.4212, 48.7922,
21.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	E0B26D
RGB	224, 178, 109
RGB Percent	88%, 70%, 43%
CMY	0.1216, 0.3019, 0.5725
CMYK	0.00, 0.21, 0.51, 0.12
HSL	36°, 65%, 65%
HSV	36°, 51%, 88%
XYZ	49.4212, 48.7922, 21.2811
YIQ	183.8880, 49.5650, -11.7070

Conversions

Conversions Part 2

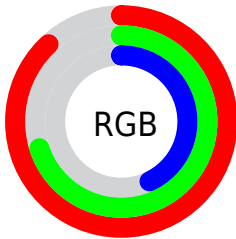
Format	Color
R _Y B	186, 224, 109
Decimal	14725741
CIE Lab	75.32, 8.44, 41.38
CIE LCh	75, 42.236, 78.480
Yxy	48.7922, 0.4136, 0.4083
Android (android.graphics.Color)	4292915821 (0xFFE0B26D)
YUV	183.8880, -36.9198, 35.1782
Hunter-Lab	69.8514, 4.0522, 30.8326

Details

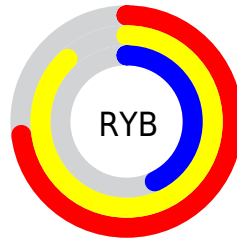
The XYZ color **49.4212, 48.7922, 21.2811** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.4821, 32.0745, 75.0525**, and the grayscale version is **45.6774, 48.0562, 52.3332**.

A 20% lighter version of the original color is **77.1844, 82.7143, 46.0798**, and **23.9762, 23.3445, 7.3799** is the 20% darker color. If you saturate the color by 10%, you get **46.6412, 44.9223, 15.1445**, and if you desaturate by 10%, it is **52.6273, 53.0226, 29.0765**.

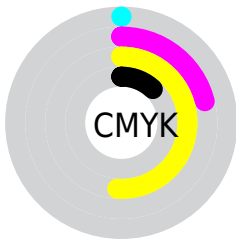
Distribution



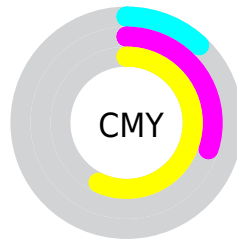
- Red (88%)
- Green (70%)
- Blue (43%)



- Red (73%)
- Yellow (88%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (51%)
- Black (12%)





- Cyan (12%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4212, 48.7922, 21.2811 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.4212, 48.7922, 21.2811 by changing the saturation by 10% instead.


 49.4212, 48.7922,
21.2811

 49.4212, 48.7922,
21.2811


374.8877,
381.9237, 271.5986


 35.1696, 34.4547,
13.1364


 88.5137, 88.3827,
46.4417


 23.9607, 23.2431,
7.3907


 114.0853,
114.4046, 64.2948

 15.4290, 14.7731,
3.6255


 144.1610,
145.0899, 86.2210

 9.2093, 8.6603,
1.4222

 179.1060,
180.8232, 112.6389

 4.9362, 4.5203,
0.1590

219.2859,
221.9888, 143.9671

 2.2442, 1.9687,
0.0000

265.0659,

 0.7659, 0.5892,

268.9712, 180.6240

0.0000

316.8114,
322.1547, 223.0284

■ 0.0000, 0.0000,
0.0000

■ 49.4212, 48.7922,
21.2811

■ 49.4212, 48.7922,
21.2811

■ 46.6412, 44.9223,
15.1445

■ 52.6273, 53.0226,
29.0765

■ 44.2576, 41.3918,
10.5375

■ 56.2794, 57.6193,
38.6409

■ 42.2421, 38.1877,
7.3165

■ 60.4002, 62.5964,
50.0781

■ 40.5597, 35.2922,
5.3086

■ 65.0096, 67.9654,
63.4832

■ 39.3222, 33.0110,
4.2992

■ 70.1263, 73.7368,
78.9446

■ 75.7679, 79.9207,
96.5455

■ 80.1625, 85.8115,
106.9460

■ 82.8759, 91.2384,
107.8505

■ 84.5504, 94.5872,
108.4086

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.9916, 48.7922, 27.1151



49.4212, 48.7922, 21.2811



41.8029, 48.7922, 22.0194

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.4212, 48.7922, 21.2811



33.6092, 48.7922, 67.8626



58.4744, 48.7922, 86.8045

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.4212, 48.7922, 21.2811



31.4821, 32.0745, 75.0525

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.2700, 48.7922, 104.8654



49.4212, 48.7922, 21.2811



37.1671, 48.7922, 91.9955

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.4212, 48.7922, 21.2811



33.2322, 48.7922, 45.0373



43.4576, 48.7922, 106.9933



62.5945, 48.7922, 62.1303

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4212, 48.7922, 21.2811



37.6931, 48.7922, 26.1944



43.4576, 48.7922, 106.9933



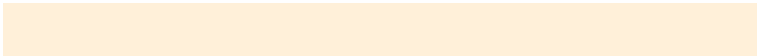
56.2983, 48.7922, 94.1143

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.4224, 48.7945, 21.2821



84.8042, 88.4014, 78.0688



42.1258, 29.1516, 34.4174



17.8701, 18.5938, 15.8908



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4224, 48.7945, 21.2821



62.1915, 59.7183, 19.5338



56.7118, 68.4868, 24.6989



14.3878, 15.0617, 14.4556



23.0038, 19.4455, 2.5409



1.6814, 1.5216, 0.2051

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.4821, 32.0745, 75.0525



35.5630, 34.9436, 99.4782



26.7389, 20.3486, 73.0392



13.3997, 14.1385, 17.4104



10.0450, 7.5596, 41.9781



0.7822, 0.6958, 2.9383

Previews

White Background



This preview shows how the XYZ color 49.4212, 48.7922, 21.2811 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.4212, 48.7922, 21.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

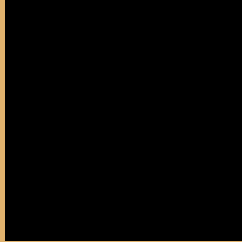
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4212, 48.7922, 21.2811

Background



This preview shows how black text looks on a background with the XYZ color 49.4212, 48.7922, 21.2811.



This preview shows how white text looks on a background with the XYZ color 49.4212, 48.7922,

21.2811.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.4212, 48.7922, 21.2811

Protanopia

45.1121, 48.9842, 22.4065

Deuteranopia

49.8465, 48.7172, 21.2442



Tritanopia

55.5865, 48.7423, 50.7344

Trichromacy



Original Color

49.4212, 48.7922, 21.2811

Protanomaly

46.6667, 48.8636, 22.0109

Deuteranomaly

49.5338, 48.5560, 21.2295

Tritanomaly

52.6638, 48.3656, 37.5702

Monochromacy



Original Color

49.4212, 48.7922, 21.2811

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3669, 48.0323, 38.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4212, 48.7922, 21.2811 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 178, 109)` looks like.

```
.text, #text, p{  
    color:rgb(224, 178, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 178, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 178, 109) }
```

Border

The CSS property to change the border of an element to XYZ 49.4212, 48.7922, 21.2811 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 178, 109) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 178, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 178, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 178, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 178, 109);  
box-shadow:4px 4px 4px 4px rgb(224, 178,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4212, 48.7922, 21.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 178, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
178, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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